Journal of Neuroscience Methods, 27 (1989) 265–266
Elsevier

Author Index

Ashby, P., see Midroni, G. (27) 1

Bennett Jr., J.P., see Stoppinni, L. (27) 121
Berger, M.L., Reither, H., Schmid, R.W. and Lassmann, H.
Manufacture and use of fused silica cannulas for intracerebral injections in freely moving rats (27) 225
Boden, P., see McBain, C.J. (27) 35

Cha, J.-H.J., Hollingsworth, Z.R., Greenamyre, J.T. and Young, A.B.
Contamination of commercially available quisqualic acid by glutamate-like and aspartate-like substances (27) 143
Ciancone, M.T. and Rebec, G.V.
A simple device for the reliable production of varnish-insulated, high-impedance tungsten microelectrodes (27) 77

D'Alecy, L.G., see Vanderzant, C.W. (27) 253
De Boer, T., see Room, P. (27) 191
Denoroy, L., see Simon, A. (27) 181
Di Vizio, B., see Fiore, L. (27) 235
Drouet D'Aubigny, G., see Torch, S. (27) 149

Eagan, K.P. and Partridge, L.D.
The sequential-interval state space: a means of displaying temporal information in neuron firing (27) 245
Elizondo, B.J., see Green, R.C. (27) 109

Ferri, G.-L., Innocenti, F., Frongillo, D., Polak, J.M. and James, N.T.
Morphometry of peptide-containing nerves in gut muscle layers: a quantitative approach to the study of autonomic neuro-muscular junctions (27) 211
Fiore, L., Geppetti, L., Ricci, D. and Di Vizio, B.
Cross-correlation-based evaluations of the impulse transmission in a nerve: simulation and experimental studies (27) 235
Frongillo, D., see Ferri, G.-L. (27) 211

Geppetti, L., see Fiore, L. (27) 235
Green, R.C. and Elizondo, B.J.
A non-stereotaxic method for olfactory bulb kindling reveals distinct kindling rates among inbred mouse strains (27) 109
Greenamyre, J.T., see Cha, J.-H.J. (27) 143
Gruner, J.A.
Comparison of vestibular and auditory startle responses in the rat and cat (27) 13

Hanin, I., see Hörtnagl, H. (27) 103
Helm, G.A., see Stoppinni, L. (27) 121
Henderson, J.M., see Kroin, J.S. (27) 133
Hill, R.G., see McBain, C.J. (27) 35
Holley, M.C.
Purification of mammalian cochlear hair cells using small volume Percoll density gradients (27) 219
Hollingsworth, Z.R., see Cha, J.-H.J. (27) 143
Hörtnagl, H., Potter, P.E., Kindel, G. and Hanin, I.
Noradrenaline depletion protects cholinergic neurons in rat hippocampus against AF64A-induced damage (27) 103

Innocenti, F., see Ferri, G.-L. (27) 211

Jacobs, M.S., see Shahbazian, F.M. (27) 91
James, N.T., see Ferri, G.-L. (27) 211
Jensen, D.N., see Prakash, J. (27) 165
Jones, T.A. and Schiltz, T.
Pulsed linear acceleration as a vestibular stimulus in electrophysiological investigations (27) 115

Kerns, J.M., see Kroin, J.S. (27) 133
Kindel, G., see Hörtnagl, H. (27) 103
Kroin, J.S., Henderson, J.M., Weinrib, H., Penn, R.D. and Kerns, J.M.
Chronic access to endoneurial space using an arterial autograft (27) 133

Lajtha, A., see Shahbazian, F.M. (27) 91
LaManna, J.C., see Sick, T.J. (27) 25
Lange, G.D., see Smith Jr., T.G. (27) 173
Lassmann, H., see Berger, M.L. (27) 225
Lothman, E.W., see Stoppinni, L. (27) 121

Marks, W.B., see Smith Jr., T.G. (27) 173
McBain, C.J., Boden, P. and Hill, R.G.
Rat hippocampal slices 'in vitro' display spontaneous epileptiform activity following long-term organotypic culture (27) 35
Midroni, G. and Ashby, P.
How synaptic noise may affect cross-correlations (27) 1

Natale, J.A.E., see Vanderzant, C.W. (27) 253
Neale, E.A., see Smith Jr., T.G. (27) 173
Nguyen-Legros, J., see Simon, A. (27) 181

Oeltmann, T.N., see Wiley, R.G. (27) 203

0165-0270/89/$03.50 © 1989 Elsevier Science Publishers B.V. (Biomedical Division)

Park, M.R., see Wilson, C.J. (27) 51
Partridge, L.D., see Eagan, K.P. (27) 245
Paulos, J.J., see Prakash, J. (27) 165
Penn, R.D., see Kroin, J.S. (27) 133
Polak, J.M., see Ferri, G.-L. (27) 211
Pondo, C.A., see Vanderzant, C.W. (27) 253
Potter, P.E., see Hörtnagl, H. (27) 103
Prakash, J., Paulos, J.J. and Jensen, D.N.
A monolithic patch-clamping amplifier with capacitive feedback (27) 165

Rebec, G.V., see Ciancone, M.T. (27) 77
Reither, H., see Berger, M.L. (27) 225
Ricci, D., see Fiore, L. (27) 235
Room, P., Tielemans, A.J.P.C., De Boer, T., Tonnaer, J.A.D.M., Wester, J., Van den Broek, J.H.M. and Van Delft, A.M.L.
Local cerebral glucose uptake in anatomically defined structures of freely moving rats (27) 191

Saxod, R., see Torch, S. (27) 149
Schiltz, T., see Jones, T.A. (27) 115
Schmid, R.W., see Berger, M.L. (27) 225
Schott, R.J., see Vanderzant, C.W. (27) 253
Shahbazian, F.M., Jacobs, M.S. and Lajtha, A.
Rates of protein synthesis—a review (27) 91
Sheriff Jr., W.H., see Smith Jr., T.G. (27) 173
Sick, T.J., Whittingham, T.S. and LaManna, J.C.
Determination of intracellular pH in the in vitro hippocampal slice preparation by transillumination spectrophotometry of Neutral red (27) 25
Simon, A., Versaux-Botteri, C., Denoroy, L., Vigny, A. and Nguyen-Legros, J.
Double antigen localization of two catecholamine enzymes and GABA in amacrine cells of the rat retina in semi-thin sections (27) 181
Smith Jr., T.G., Marks, W.B., Lange, G.D., Sheriff Jr., W.H. and Neale, E.A.
A fractal analysis of cell images (27) 173
Stoebner, P., see Torch, S. (27) 149
Stoppinni, L., Helm, G.A., Stringer, J.L., Lothman, E.W. and Bennett Jr., J.P.
In vitro and in vivo transplantation of fetal rat brain cells following incubation with various anatomic tracing substances (27) 121
Stringer, J.L., see Stoppinni, L. (27) 121

Tielemans, A.J.P.C., see Room, P. (27) 191
Tonnaer, J.A.D.M., see Room, P. (27) 191
Torch, S., Stoebner, P., Usson, Y., Drouet D'Aubigny, G. and Saxod, R.
There is no simple adequate sampling scheme for estimating the myelinated fibre size distribution in human peripheral nerve: a statistical ultrastructural study (27) 149

Usson, Y., see Torch, S. (27) 149

Van Delft, A.M.L., see Room, P. (27) 191
Van den Broek, J.H.M., see Room, P. (27) 191
Van der Kloot, W.
Statistical and graphical methods for testing the hypothesis that quanta are made up of subunits (27) 81
Vanderzant, C.W., Schott, R.J., Natale, J.A.E., Pondo, C.A. and D'Alecy, L.G.
Somatosensory evoked potentials of the dog: recording techniques and normal values (27) 253
Versaux-Botteri, C., see Simon, A. (27) 181
Vigny, A., see Simon, A. (27) 181

Weinrib, H., see Kroin, J.S. (27) 133
Wester, J., see Room, P. (27) 191
Whittingham, T.S., see Sick, T.J. (27) 25
Wiley, R.G. and Oeltmann, T.N.
Anti-ricin antibody protects against systemic toxicity without affecting suicide transport (27) 203
Wilson, C.J. and Park, M.R.
Capacitance compensation and bridge balance adjustment in intracellular recording from dendritic neurons (27) 51

Young, A.B., see Cha, J.-H.J. (27) 143

Journal of Neuroscience Methods, 27 (1989) 267–268
Elsevier

Key Word Index Volume 27

Acetylcholine, (27), 103
Alzheimer's disease, (27), 103
4-Aminopyridine, (27), 13
Anatomic tracer, (27), 121
Antibody, (27), 203
Aplysia, (27), 235
Aspartate, Contamination, (27), 143
Auditory, (27), 13
Autonomic innervation, (27), 211

Brain slice, (27), 25

Capacitance compensation, (27), 51
Cat, (27), 13
Catecholamine, (27), 181
Catheterization, (27), 133
[^{14}C]2-Deoxyglucose, (27), 191
Chronic cannula, (27), 225
Colocalization, (27), 181
Computer, (27), 235
Conscious rat, (27), 225
Creatine kinase equilibrium, (27), 25
Cross-correlation, (27), 1; (27), 235
Cultured neuron, (27), 173

Dendrite, (27), 51
Dendritic branching, (27), 173
Dendritic contour, (27), 173
Density gradient, (27), 219
Dog, (27), 253
DSP-4, (27), 103

EEG, (27), 109
Electronic property neuron, (27), 51
Electrophysiology, (27), 35
EMG, (27), 13
Epilepsy, (27), 109
Epileptiform, (27), 35
Ethylcholine aziridinium (AF64A), (27), 103
Excitatory postsynaptic potential, (27), 1

Fetal rat brain cell, (27), 121
Fiber distribution, (27), 149
Fiber size distribution, (27), 149
Fractal dimension, (27), 173
Fractal geometry, (27), 173
Free-fall, (27), 13
Fused silica, (27), 225

γ-aminobutyric acid, (27), 181
Glucose uptake, (27), 191
Glutamate, (27), 143
Guinea pig, (27), 219
Gut nerve, (27), 211

pH, (27), 25
Hair cell, (27), 219
High-impedance microelectrode, (27), 77
High-pressure liquid chromatography, (27), 143
Hippocampus, (27), 103; (27), 191
Human peripheral nerve, (27), 149
Hydrogen ion, (27), 25

Image analysis, (27), 191
Immunohistochemistry, (27), 181
Incorporation of amino acids into protein, (27), 91
Infusion, (27), 91
Inhibitory postsynaptic potential, (27), 1
Intracellular recording, (27), 51
Intracerebral injection, (27), 225
In vitro, (27), 121
In vivo, (27), 121

Ketamine, (27), 13

Limbic system, (27), 109
Local cerebral glucose utilization, (27), 191

Microelectrode, (27), 51
Miniature end-plate current, (27), 81
Miniature end-plate potential, (27), 81
Morphometry, (27), 149
Myelinated fiber, (27), 149

Nerve quantification, (27), 211
Nerve repair, (27), 133
Nerve transmission, (27), 235
Neural pattern code, (27), 245
Neuromuscular junction, (27), 81; (27), 211
Neuropeptide, (27), 211
Neutral red, (27), 25
New technique, (27), 225
N-methyl-D-aspartate (NMDA) receptor, (27), 35
Noradrenaline, (27), 103
Normative data, (27), 253

Organotypic culture, (27), 35

0165-0270/89/$03.50 © 1989 Elsevier Science Publishers B.V. (Biomedical Division)

Pellet implantation, (27), 91
Percoll, (27), 219
Perfusion, (27), 91
Phenylethanolamine-*N*-methyltransferase, (27), 181
Piriform cortex, (27), 225
Poststimulus time histogram, (27), 1
Protein degradation, (27), 91
Protein synthesis, (27), 91
Protein turnover, (27), 91
Pulsed linear acceleration, (27), 115
Pulse labeling, (27), 91

Quantum, (27), 81
Quisqualate, (27), 143

Radioisotope administration, (27), 91
Rat, (27), 13
Rate of protein degradation, (27), 91
Rate of protein synthesis, (27), 91
Rat hippocampus, (27), 35
Recording technique, (27), 253
Retina, (27), 181
Ricin, (27), 203

Sampling, (27), 149
Sciatic nerve, (27), 133; (27), 203
Seizure, (27), 109
Semi-thin section, (27), 181
Sequential interval state space, (27), 245
Simulation, (27), 235
Single-channel recording, (27), 165
Single-unit recording, (27), 77
Somatosensory evoked potential, (27), 253
Spectrophotometry, (27), 25
Spike analysis, (27), 235
Spike train analysis, (27), 1
Startle-reflex, (27), 13
Statistics, (27), 81
Stimulation technique, (27), 253
Subquantum, (27), 81
Suicide transport, (27), 203

Transplantation, (27), 121; (27), 133
Tungsten, (27), 77
Tyrosine-hydroxylase, (27), 181

Vagus nerve, (27), 203
Vestibular, (27), 13
Vestibular response, (27), 115
Video overlay, (27), 191
Voltage–clamp, (27), 165